

**milliQan**

**124.7 fb<sup>-1</sup> (13.6 TeV)**

$Q/e$

Previous constraints

$10^{-1}$

$10^{-2}$

$10^{-3}$

$10^{-1}$

$10^0$

$10^1$

$10^2$

**mCP mass (GeV)**

- ArgoNeuT  
[PRL 124, 131801 (2020)]
- SENSEI  
[PRL 133, 071801 (2024)]
- CMS FCP 138 fb<sup>-1</sup>  
[PRL 134, 131802 (2025)]
- Run 2 milliQan demonstrator 37.5 fb<sup>-1</sup>  
[PRD 102, 032002 (2020)]

**Run 3 milliQan bar detector**

**Observed**

**Expected  $\pm 1\sigma$**

